



CBS Corporation

Environmental Remediation
11 Stanwix Street
Pittsburgh, PA 15222

April 11, 2007

Thomas J. Biel
Geologist
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
270 Michigan Avenue
Buffalo, NY 14203-2999

**Re: Monthly Operation and Maintenance Report
NYSDEC Site 9-15-066, Cheektowaga, New York**

Dear Mr. Biel:

On behalf of the Respondents to the Order on Consent and Settlement Agreement (Index No. B9-0381-91-8) (the "Order"), CBS Corporation (CBS) submits this monthly report on the status of operation and maintenance (O&M) activities at New York State Department of Environmental Conservation (NYSDEC) Site No. 9-15-066 in Cheektowaga, New York (the "Site"). Under an Agreement among the Respondents, CBS is managing the Remedial Program defined in the Order. This report covers activities during the period of March 1 through March 31, 2007 and transmits the discharge monitoring report for this period.

1. Site Activities and Status

- A. On March 6, 2007, CBS submitted to NYSDEC a monthly report on the status of both routine and non-routine O&M activities at the Site for the February 2007 operating period. That status report also transmitted the discharge monitoring data for February 2007.
- B. The recovery and treatment system operated throughout the March 2007 reporting period.
- C. Conestoga-Rovers & Associates (CRA) conducted routine O&M on behalf of CBS, and Severn Trent Laboratories, Inc. provided analytical laboratory services.

- D. CRA collected the quarterly groundwater sample from well MW-32.

2. Sampling Results and Other Site Data

- A. In March 2007, the groundwater system recovered and treated an estimated 487,000 gallons.
- B. Attachment A provides the discharge monitoring report for March 2007 based on effluent sample collected on March 22, 2007. Attachment B includes the analytical laboratory report for the effluent sample collected on March 22, 2007.
- C. In reviewing the treatment system effluent monitoring information, please note the following:
- The flow data are provided via on-site readings and calls into the Autodialer. The maximum daily flow was calculated from these data.
 - The pH data are provided via on-site readings, calls into the Autodialer, and laboratory analysis of the monthly effluent sample. pH data are reported only for measurements taken while the treatment pump is operating and the system is actively discharging.
 - The reported daily maximum values (pounds per day) are calculated using the maximum observed daily flow and the results of the monthly effluent monitoring, irrespective of whether the actual maximum daily flow occurred on the day of sampling.
- D. For the March 2007 reporting period, the effluent complied with all discharge limitations.
- E. Table 1 presents the results of influent sampling data, including the most recent influent sample collected on March 22, 2007. Attachment B includes the analytical laboratory report for this influent sample.
- F. Table 2 presents the data for well MW-32, which monitors groundwater quality at the former Area P located in the northern portion of the Site (i.e., outside the zone of influence for the recovery and treatment system), including the results of the most-recent sampling conducted on December 12, 2006. Table 3 shows the total target VOC concentrations in response to in situ oxidation treatments, and Figure 1 presents a graph of the total target VOC concentrations at MW-32. Attachment C provides the analytical laboratory data report for this quarterly groundwater monitoring at MW-32.

3. Upcoming Activities

- A. Based on NYSDEC's October 30, 2006 approval letter, CBS is modifying the termination plan to specify the initial temporary shutdown of the 002 system. This activity has been temporarily on-hold due to adverse winter weather (with limited access to manholes) and the need to resolve certain administrative issues between the Respondents.
- B. CBS expects to submit revisions to work plan after any issues are resolved regarding the Niagara Frontier Transportation Authority (NFTA) groundwater lift station at the parking lot tunnel and certain administrative issues. CBS will implement this work plan in accordance with a revised schedule provided therein. In the meantime, CBS will continue O&M activities, as needed.
- C. On August 8, 2006, CBS submitted a letter to NYSDEC laying out its understanding of the agreed-upon actions to be undertaken with respect to the Flying Tigers Area (Area P) at the northern end of the Site. CBS will work to support NFTA and Mercy Flight of Western New York, Inc. as needed to implement these actions.

4. Operational Problems

- A. Previously reported operational problems associated with elevated pH, hardness, and inflow continue. These operational problems are expected to be largely resolved with the phased shutdown of the collection and treatment system and limitation of inflows to those associated with Sump 003.

* * * *

We trust this submittal satisfies your requirements at this time. If you have questions regarding this status report, please contact me.

Respectfully submitted,



Leo M. Brausch
Consultant/Project Engineer

LMB:

Attachments

Thomas J. Biel
April 11, 2007
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cc: K. P. Lynch, CRA
K. Minkel, NFTA

TABLES

**Table 1
Summary of Treatment System
Influent Monitoring Data**

Date of Sampling	Outfall	Constituent Concentration (ug/L)						
		cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
08/21/00	Composite	200 U	200 U	200 U	3,100	200 U	1.5	NA
08/29/00	Composite	200 U	200 U	200 U	8,500	200 U	0.7	NA
09/06/00	Composite	200 U	200 U	200 U	4,100	200 U	0.7 U	NA
09/13/00	Composite	400 U	400 U	400 U	9,600	400 U	1.6	NA
09/20/00	Composite	54 J	100 U	100 U	2,500	100 U	0.6 U	NA
09/27/00	Composite	100 U	100 U	100 U	2,200	100 U	0.68 B	NA
10/04/00	Composite	60 J	100 U	100 U	2,500	100 U	0.69 B	NA
10/10/00	Composite	23 J	25 U	25 U	430	25 U	0.5 U	NA
03/29/01	Composite	9.1 J	10 U	1.4 J	16	10 U	1.5	2.47 U
06/26/01	001	25	5 U	0.9 J	37	5 U	448	NA
06/26/01	002	16	5 U	2.3 J	280	5 U	3.0 U	NA
06/26/01	003	510	5 U	4.5 J	1,700	5 U	3.0 U	NA
09/29/01	Comp - Perm	18	25 U	4 J	8.3 J	10 U	0.25 U	7.4
09/29/01	Comp - Temp	14 J	25 U	25 U	350	25 U	0.25 U	8.7
12/21/01	Composite	14	10 U	10 U	130	10 U	1.7	4.1 U
03/14/02	Composite	18	10 U	10 U	130	10 U	0.29	4.5
10/15/02	Composite	11.3	530	9.0	990	16	5 U	NA
12/15/02	Composite	7.3	19	0.16	46	1.3	8.4	50 U
03/15/03	Composite	7.8	14	1.0	29	NA	21	3 U
06/11/03	Composite	11.0	130	64	570	25 U	4.2	5.5
09/09/03	Composite	8.6	290	25 U	620	15	3.0	3.5
12/10/03	Composite	8.6	54	25 U	430	25 U	2.5	3.0
03/12/04	Composite	7.7	51	2 U	3.9	2 U	1.4	1.6
06/09/04	Composite	8.3	54	40 U	650	40 U	1.8	6.8
09/13/04	Composite	10.3	98	10 U	250	10 U	1.8	2.2
12/13/04	Composite	140	4.4 J	20 U	470	20 U	0.81 B	1.6 B

Table 1
Summary of Treatment System
Influent Monitoring Data

Date of Sampling	Outfall	Constituent Concentration (ug/L)						
		cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
03/23/05	Composite	46	15 U	15 U	250	15 U	2.1 B	1.5 U
06/09/05	Composite	100	15 U	15 U	1,200	5.4 J	1.2 B	3.0 U
10/03/05	Composite	26	1 U	2.0	8.6	11	5.0 U	3.0 U
12/16/05	Composite	34	5 U	5 U	140	3.5 J	0.68 B	3.0 U
03/13/06	Composite	36	10 U	10 U	190	2.6 J	0.95 B	2.0 B
05/09/06	Composite	87	10 U	10 U	710	5.6 J	1.0 B	3.0 U
06/12/06	Composite	72	3.3 U	3.3 U	190	4.0 J	0.72 B	3.0 U
09/11/06	Composite	16	5 U	5 U	85	5 U	0.47 B	2.0 B
12/11/06	Composite	14	5 U	5 U	71	1.8 J	5.0 U	3.0 U
03/22/07	Composite	32	5 U	2.7 J	130	4.6 J	1.2 B	3.0 U

Data Legend:

"NA" - indicates not analyzed

Detections and estimated values are in **bold-face** type.

Organic data qualifiers:

U - not detected at indicated detection limit

J - estimated concentration below reporting limit but above minimum detection limit.

Inorganic data qualifiers:

U - not detected at indicated detection limit

B - detected concentration below contract required detection limit but above instrument detection limit.

Table 2
Summary of Groundwater Monitoring Data, Well MW-32
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Date of Sampling	Constituent Concentration (ug/L)						
	cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
05/11/00	1,500	5 U	5 U	3,700	540	1.0 U	3.0 U
12/01/00	2,200	5 U	5 U	1,200	110	1.0 U	10 U
12/01/00 (Dup)	2,300	10 U	10 U	1,900	230 J	NA	NA
03/30/01	1,600	100 U	100 U	650	340	0.41 U	2.47 U
03/30/01 (Dup)	1,500	100 U	100 U	610	310	0.41 U	2.47 U
06/21/01	2,800	250 U	250 U	4,100	890	0.85 U	1.21 U
06/21/01 (Dup)	2,700	250 U	250 U	4,000	830	0.85 U	1.21 U
09/13/01	4,000	250 U	250 U	2,900	1,000	0.70 B	2.1 U
09/13/01 (Dup)	4,100	250 U	250 U	2,800	1,100	0.83 B	2.8 U
12/13/01	2,300	200 U	200 U	2,500	590	0.44 U	3.7 U
12/31/01 (Dup)	2,200	200 U	200 U	2,400	560	0.44 U	2.0 U
03/14/02	560	250 U	250 U	730	98	0.17 U	2.03 U
03/14/02 (Dup)	570	250 U	250 U	710	100	0.17 U	2.03 U
07/10/02	1,200	NA	NA	2,000	190	NA	NA
12/31/02	480	NA	50 U	530	66	0.34 B	4.9
12/31/02 (Dup)	510	NA	50 U	580	77	0.29 U	4.7
03/29/03	1,000	80 U	80 U	740	150	5.0 U	3.0 U
06/17/03	1,100	200 U	200 U	2,400	130 J	0.34 B	4.9
06/17/03 (Dup)	1,100	100 U	100 U	1,700	110	5.0 U	3.0 U
09/26/03	2,800	100 U	100 U	8,100	310 J	5.0 U	3.0 U
12/22/03	1,000	100 U	100 U	1,300	97 J	0.38 U	1.1 B
03/29/04	460	10 U	10 U	570	20 J	0.37 U	1.4 U
06/30/04	620	200 U	200 U	1,900	200 U	0.29 U	1.5 U
09/13/04	2,100	200 U	200 U	2,900	130 J	5.0 U	1.8 B
12/17/04	640	10 U	10 U	420	45	5.0 U	3.0 U
12/17/04 (Dup)	760	50 U	50 U	790	50 J	5.0 U	2.3 B
03/31/05	570	50 U	50 U	680	49 J	5.0 U	3.0 U

Table 2
Summary of Groundwater Monitoring Data, Well MW-32
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Date of Sampling	Constituent Concentration (ug/L)						
	cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
06/22/05	540	10 U	10 U	810	100	5.0 U	3.0 U
06/22/05 (Dup)	1,100	100 U	100 U	880	140	5.0 U	3.0 U
09/09/05	1,400	330 U	330 U	1,700	96 J	5.0 U	3.0 U
12/14/05	900	10 U	10 U	700	56	5.0 U	3.0 U
12/14/05 (Dup)	1,200	100 U	100 U	750	68 J	5.0 U	3.0 U
03/23/06	350	30 U	30 U	290	36	5.0 U	3.0 U
06/13/06	410	50 U	50 U	440	13 J	5.0 U	3.0 U
06/13/06 (Dup)	540	50 U	50 U	880	51	5.0 U	3.0 U
09/11/06	1,400	150 U	150 U	2,000	85 J	0.34 B	4.9
12/12/06	290	40 U	40 U	67	42 J	5.0 U	1.2 B
12/12/06 (Dup)	590	50 U	50 U	240	75 J	5.0 U	3.1
03/27/07	380	10 U	10 U	22	36 J	5.0 U	2.4 B

Data Legend:

"NA" - indicates not analyzed

Detections and estimated values are in **bold-face** type.

Organic data qualifiers:

U - not detected at indicated reporting limit

J - estimated concentration

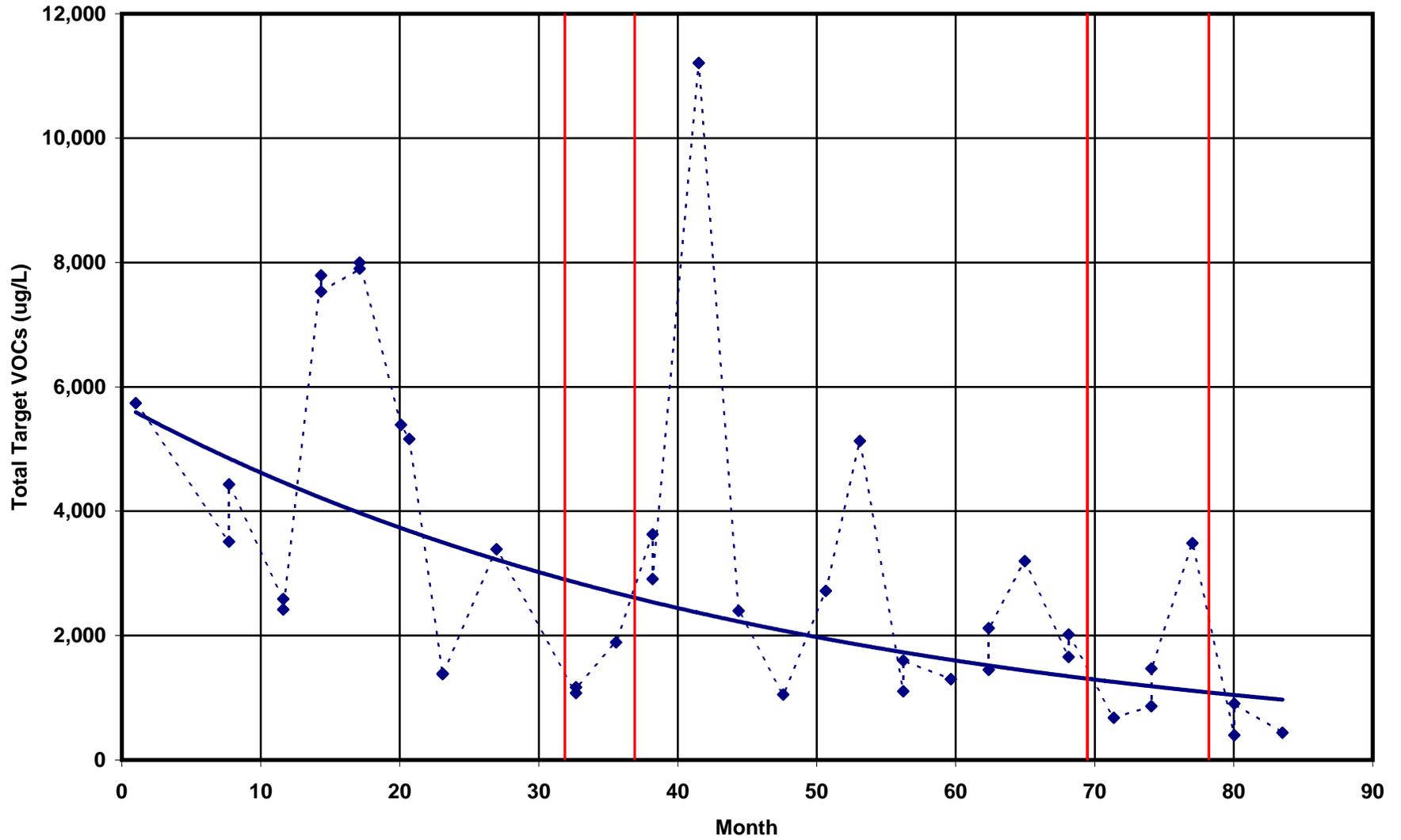
Inorganic data qualifiers:

U - not detected at indicated detection limit

B - detected concentration below contract required detection limit but above instrument detection limit.

FIGURE

Figure 1: Total Target VOCs at MW-32



ATTACHMENT A
DISCHARGE MONITORING REPORT
MARCH 2007

Discharge Monitoring Data
Outfall 001 - Treated Groundwater Remediation Discharge
NYSDEC Site No. 9-15-006
Cheektowaga, New York

Reporting Month & Year **Mar-07**

Parameter		Daily Minimum	Daily Maximum	Units	Daily Maximum (lbs/day)	Measurement Frequency	Sample Type
Flow	Monitoring Result		19,631	gpd		Continuous	Meter
	Discharge Limitation		28,800	gpd		Continuous	Meter
pH	Monitoring Result	7.10	8.32	s.u.		7	Grab
	Discharge Limitation	6.5	8.5	s.u.		Weekly	Grab
Total suspended solids	Monitoring Result		< 4.0	mg/L	< 0.7	1	Grab
	Discharge Limitation		20	mg/L		Monthly	Grab
Toluene	Monitoring Result		< 1.0	ug/L	< 0.00017	1	Grab
	Discharge Limitation		5	ug/L		Monthly	Grab
Methylene chloride	Monitoring Result		< 1.0	ug/L	< 0.00017	1	Grab
	Discharge Limitation		10	ug/L		Monthly	Grab
1,2-dichlorobenzene	Monitoring Result		< 1.0	ug/L	< 0.00017	1	Grab
	Discharge Limitation		5	ug/L		Monthly	Grab
cis-1,2-dichloroethylene	Monitoring Result		< 1.0	ug/L	< 0.00017	1	Grab
	Discharge Limitation		10	ug/L		Monthly	Grab
Trichloroethylene	Monitoring Result		< 1.0	ug/L	< 0.00017	1	Grab
	Discharge Limitation		10	ug/L		Monthly	Grab
Tetrachloroethylene	Monitoring Result		< 1.0	ug/L	< 0.00017	1	Grab
	Discharge Limitation		50	ug/L		Monthly	Grab
Cadmium	Monitoring Result		< 0.31	ug/L	< 0.00006	1	Grab
	Discharge Limitation		3	ug/L		Monthly	Grab
Chromium	Monitoring Result		1.8	ug/L	< 0.00030	1	Grab
	Discharge Limitation		99	ug/L		Monthly	Grab

ATTACHMENT B
LABORATORY ANALYSIS REPORT
MARCH 2007 INFLUENT AND EFFLUENT SAMPLES

STL Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238

Tel: 412 963 7058 Fax: 412 963 2468
www.stl-inc.com

ANALYTICAL REPORT

PROJECT NO. VIACOM

Viacom Buffalo Airport

Lot #: C7C230332

Leo Brausch

Leo Brausch Consulting

SEVERN TRENT LABORATORIES, INC.



Carrie L. Gamber
Project Manager

March 30, 2007



STL



NELAC REPORTING:

The format and content of the attached report meets NELAC standards and guidelines except as noted in the narrative. The table below presents a summary of the certifications held by STL Pittsburgh. Our primary accreditation authority for the Non-potable water and Solid & Hazardous waste programs is Pennsylvania DEP. A more detailed parameter list is available upon request. Please ask your project manager for this information when required.

Certifying State/Program	Certificate #	Program Types	STL Pittsburgh
NFESC	NA	NAVY	X
USACE	NA	Corps of Engineers	X
US Dept of Agriculture	(#S-46425)	Foreign Soil Import Permit	X
Arkansas	(#03-022-1)	WW	X
		HW	X
California – nelac	04224CA	WW	X
		HW	X
Connecticut	(#PH-0688)	WW	X
		HW	X
Florida – nelac	(#E87660)	WW	X
		HW	X
Illinois – nelac	(#200005)	WW	X
		HW	X
Kansas – nelac	(#E-10350)	WW	X
		HW	X
Louisiana – nelac	(#93200)	WW	X
		HW	X
New Hampshire – nelac	(#203002)	WW	X
		--	--
New Jersey – nelac	(PA-005)	WW	X
		HW	X
New York – nelac	(#11182)	WW	X
		HW	X
North Carolina	(#434)	WW	X
		HW	X
Ohio Vap	(#CL0063)	WW	X
		HW	X
Pennsylvania - nelac	(#02-00416)	WW	X
		HW	X
South Carolina	(#89014001)	WW	X
		HW	X
Utah – nelac	(STLP)	WW	X
		HW	X
West Virginia	(#142)	WW	X
		HW	X
Wisconsin	998027800	WW	X
		HW	X

The codes utilized for program types are described below:

- HW Hazardous Waste certification
- WW Non-potable Water and/or Wastewater certification
- X Laboratory has some form of certification under the specific program. Many states certify laboratories for specific parameters or tests within a category. The information in the table indicates the lab is certified in a general category of testing. Please contact the laboratory if parameter specific certification information is required.

Updated: 04/27/06

CASE NARRATIVE

Leo Brausch Consulting

STL Lot # C7C230332

Sample Receiving:

STL Pittsburgh received samples on March 23, 2007. The cooler was received within the proper temperature range.

If project specific QC was not required for samples contained in this report, when batch QC was completed on these samples, anomalous results will be discussed below.

GC/MS Volatiles:

Due to the concentration of target compounds detected, sample IFF 0307 was analyzed at a dilution.

Metals:

There were no problems associated with the analysis.

General Chemistry:

The pH analysis was done at the request of the client. This test is a field parameter.

METHODS SUMMARY

C7C230332

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
pH (Electrometric)	MCAWW 150.1	MCAWW 150.1
Non-Filterable Residue (TSS)	MCAWW 160.2	MCAWW 160.2
Purgeables	CFR136A 624	CFR136A 624
Trace Inductively Coupled Plasma (ICP) Metals	MCAWW 200.7	MCAWW 200.7

References:

CFR136A "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SAMPLE SUMMARY

C7C230332

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
JRND2	001	EFF 0307	03/22/07	11:00
JRNEM	002	IFF 0307	03/22/07	11:00

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Leo Brausch Consulting

Client Sample ID: EFF 0307

GC/MS Volatiles

Lot-Sample #....: C7C230332-001 Work Order #....: JRND21AF Matrix.....: WATER
Date Sampled....: 03/22/07 Date Received...: 03/23/07 MS Run #.....: 7088119
Prep Date.....: 03/29/07 Analysis Date...: 03/29/07
Prep Batch #....: 7088072 Analysis Time...: 13:14
Dilution Factor: 1
Method.....: CFR136A 624

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.27
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
Methylene chloride	ND	1.0	ug/L	0.40
Tetrachloroethene	ND	1.0	ug/L	0.21
Toluene	ND	1.0	ug/L	0.18
Trichloroethene	ND	1.0	ug/L	0.22

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene	89	(70 - 118)
1,2-Dichloroethane-d4	105	(64 - 135)
Toluene-d8	103	(71 - 118)
Dibromofluoromethane	107	(64 - 128)

Leo Brausch Consulting

Client Sample ID: EFF 0307

TOTAL Metals

Lot-Sample #...: C7C230332-001

Matrix.....: WATER

Date Sampled...: 03/22/07

Date Received...: 03/23/07

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>
		<u>LIMIT</u>	<u>UNITS</u>		<u>ANALYSIS DATE</u>	<u>ORDER #</u>
Prep Batch #...: 7085049						
Cadmium	ND	5.0	ug/L	MCAWW 200.7	03/26-03/27/07	JRND21AA
		Dilution Factor: 1		Analysis Time...: 15:16	MS Run #.....: 7085032	
		MDL.....: 0.31				
Chromium	1.8 B	5.0	ug/L	MCAWW 200.7	03/26-03/27/07	JRND21AC
		Dilution Factor: 1		Analysis Time...: 15:16	MS Run #.....: 7085032	
		MDL.....: 0.80				

NOTE(S) :

B Estimated result. Result is less than RL.

Leo Brausch Consulting

Client Sample ID: EFF 0307

General Chemistry

Lot-Sample #....: C7C230332-001
Date Sampled....: 03/22/07

Work Order #....: JRND2
Date Received...: 03/23/07

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	7.1	--	No Units	MCAWW 150.1	03/24/07	7083071
			Dilution Factor: 1	Analysis Time..: 13:21	MS Run #.....: 7083035	
			MDL.....: --			
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	03/28/07	7087110
			Dilution Factor: 1	Analysis Time..: 00:00	MS Run #.....: 7087054	
			MDL.....: 3.4			

Leo Brausch Consulting

Client Sample ID: IFF 0307

GC/MS Volatiles

Lot-Sample #...: C7C230332-002 Work Order #...: JRNEM1AF Matrix.....: WATER
 Date Sampled...: 03/22/07 Date Received...: 03/23/07 MS Run #.....: 7088119
 Prep Date.....: 03/29/07 Analysis Date...: 03/29/07
 Prep Batch #...: 7088072 Analysis Time...: 12:49
 Dilution Factor: 5
 Method.....: CFR136A 624

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
cis-1,2-Dichloroethene	32	5.0	ug/L	1.3
1,1,1-Trichloroethane	2.7 J	5.0	ug/L	1.2
Vinyl chloride	4.6 J	5.0	ug/L	0.84
1,2-Dichlorobenzene	ND	5.0	ug/L	1.0
Methylene chloride	ND	5.0	ug/L	2.0
Tetrachloroethene	ND	5.0	ug/L	1.0
Toluene	ND	5.0	ug/L	0.92
Trichloroethene	130	5.0	ug/L	1.1

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
4-Bromofluorobenzene	85	(70 - 118)
1,2-Dichloroethane-d4	106	(64 - 135)
Toluene-d8	100	(71 - 118)
Dibromofluoromethane	102	(64 - 128)

NOTE(S):

J Estimated result. Result is less than RL.

Leo Brausch Consulting

Client Sample ID: IFF 0307

TOTAL Metals

Lot-Sample #...: C7C230332-002
 Date Sampled...: 03/22/07

Date Received...: 03/23/07

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7085049						
Cadmium	1.2 B	5.0	ug/L	MCAWW 200.7	03/26-03/27/07	JRNEMLAC
		Dilution Factor: 1		Analysis Time...: 15:22	MS Run #.....: 7085032	
		MDL.....: 0.31				
Chromium	6.6	5.0	ug/L	MCAWW 200.7	03/26-03/27/07	JRNEMLAE
		Dilution Factor: 1		Analysis Time...: 15:22	MS Run #.....: 7085032	
		MDL.....: 0.80				
Lead	ND	3.0	ug/L	MCAWW 200.7	03/26-03/27/07	JRNEMLAD
		Dilution Factor: 1		Analysis Time...: 15:22	MS Run #.....: 7085032	
		MDL.....: 1.5				

NOTE(S):

B Estimated result. Result is less than RL.

Leo Brausch Consulting

Client Sample ID: IFF 0307

General Chemistry

Lot-Sample #....: C7C230332-002
Date Sampled....: 03/22/07

Work Order #....: JRNEM
Date Received...: 03/23/07

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	10.5	--	No Units	MCAWW 150.1	03/24/07	7083071
			Dilution Factor: 1	Analysis Time...: 13:23	MS Run #.....: 7083035	
			MDL.....: --			

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C7C230332
 MB Lot-Sample #: C7C290000-072

Work Order #...: JR0AL1AA

Matrix.....: WATER

Analysis Date...: 03/29/07
 Dilution Factor: 1

Prep Date.....: 03/29/07
 Prep Batch #...: 7088072

Analysis Time...: 09:41

PARAMETER	RESULT	REPORTING		METHOD
		LIMIT	UNITS	
1,2-Dichlorobenzene	ND	1.0	ug/L	CFR136A 624
cis-1,2-Dichloroethene	ND	1.0	ug/L	CFR136A 624
1,1,1-Trichloroethane	ND	1.0	ug/L	CFR136A 624
Vinyl chloride	ND	1.0	ug/L	CFR136A 624
Methylene chloride	ND	1.0	ug/L	CFR136A 624
Tetrachloroethene	ND	1.0	ug/L	CFR136A 624
Toluene	ND	1.0	ug/L	CFR136A 624
Trichloroethene	ND	1.0	ug/L	CFR136A 624

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
4-Bromofluorobenzene	95	(70 - 118)
1,2-Dichloroethane-d4	103	(64 - 135)
Toluene-d8	96	(71 - 118)
Dibromofluoromethane	103	(64 - 128)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #....: C7C230332

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: C7C260000-049 Prep Batch #....: 7085049						
Cadmium	ND	5.0	ug/L	MCAWW 200.7	03/26-03/27/07	JRP5G1AE
		Dilution Factor: 1				
		Analysis Time...: 14:27				
Chromium	ND	5.0	ug/L	MCAWW 200.7	03/26-03/27/07	JRP5G1AF
		Dilution Factor: 1				
		Analysis Time...: 14:27				
Lead	ND	3.0	ug/L	MCAWW 200.7	03/26-03/27/07	JRP5G1AG
		Dilution Factor: 1				
		Analysis Time...: 14:27				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: C7C230332

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	03/28/07	7087110
		Work Order #: JRVN81AA MB Lot-Sample #: C7C280000-110				
		Dilution Factor: 1				
		Analysis Time...: 00:00				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C7C230332 Work Order #...: JR0AL1AC Matrix.....: WATER
 LCS Lot-Sample#: C7C290000-072
 Prep Date.....: 03/29/07 Analysis Date...: 03/29/07
 Prep Batch #...: 7088072 Analysis Time...: 08:30
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
1,1,1-Trichloroethane	113	(75 - 125)	CFR136A 624
Vinyl chloride	104	(4.0- 196)	CFR136A 624
1,2-Dichlorobenzene	101	(63 - 137)	CFR136A 624
Benzene	108	(64 - 136)	CFR136A 624
Bromodichloromethane	113	(65 - 135)	CFR136A 624
Bromoform	112	(71 - 129)	CFR136A 624
Bromomethane	110	(14 - 186)	CFR136A 624
Carbon tetrachloride	111	(73 - 127)	CFR136A 624
Chloroethane	100	(38 - 162)	CFR136A 624
Chloroform	108	(67 - 133)	CFR136A 624
Chloromethane	101	(1.0- 204)	CFR136A 624
1,1-Dichloroethene	110	(50 - 150)	CFR136A 624
1,1-Dichloroethane	107	(72 - 128)	CFR136A 624
trans-1,2-Dichloroethene	111	(69 - 131)	CFR136A 624
1,2-Dichloroethene (total)	108	(69 - 131)	CFR136A 624
1,2-Dichloroethane	110	(68 - 132)	CFR136A 624
Methylene chloride	107	(60 - 140)	CFR136A 624
1,2-Dichloropropane	110	(34 - 166)	CFR136A 624
Tetrachloroethene	104	(73 - 127)	CFR136A 624
Toluene	107	(74 - 126)	CFR136A 624
cis-1,3-Dichloropropene	106	(24 - 176)	CFR136A 624
Trichloroethene	103	(66 - 134)	CFR136A 624
Dibromochloromethane	111	(67 - 133)	CFR136A 624
1,1,2-Trichloroethane	108	(71 - 129)	CFR136A 624
trans-1,3-Dichloropropene	114	(50 - 150)	CFR136A 624
1,1,2,2-Tetrachloroethane	100	(60 - 140)	CFR136A 624
Chlorobenzene	104	(66 - 134)	CFR136A 624
Ethylbenzene	107	(59 - 141)	CFR136A 624
Xylenes (total)	108	(37 - 162)	CFR136A 624
Dichlorodifluoromethane	84	(10 - 200)	CFR136A 624
Carbon disulfide	115	(35 - 150)	CFR136A 624
Naphthalene	94	(50 - 150)	CFR136A 624
Styrene	112	(70 - 130)	CFR136A 624

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C7C230332
 LCS Lot-Sample#: C7C290000-072

Work Order #...: JR0AL1AC

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Trichlorofluoromethane	106	(48 - 152)	CFR136A 624
1,3-Dichlorobenzene	99	(73 - 127)	CFR136A 624
1,4-Dichlorobenzene	99	(63 - 137)	CFR136A 624
Methyl tert-butyl ether (MTBE)	97	(50 - 150)	CFR136A 624

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene	90	(70 - 118)
1,2-Dichloroethane-d4	104	(64 - 135)
Toluene-d8	102	(71 - 118)
Dibromofluoromethane	105	(64 - 128)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: C7C230332

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
LCS Lot-Sample#: C7C260000-049 Prep Batch #....: 7085049					
Cadmium	100	(85 - 115)	MCAWW 200.7	03/26-03/27/07	JRP5G1AK
		Dilution Factor: 1		Analysis Time...: 14:32	
Chromium	100	(85 - 115)	MCAWW 200.7	03/26-03/27/07	JRP5G1AL
		Dilution Factor: 1		Analysis Time...: 14:32	
Lead	98	(85 - 115)	MCAWW 200.7	03/26-03/27/07	JRP5G1AM
		Dilution Factor: 1		Analysis Time...: 14:32	

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #....: C7C230332

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
pH	100	Work Order #: JRPLA1AA (99 - 101)	LCS Lot-Sample#: C7C240000-071 MCAWW 150.1	03/24/07	7083071
		Dilution Factor: 1	Analysis Time..: 13:20		
Total Suspended Solids	80	Work Order #: JRVN81AC (80 - 120)	LCS Lot-Sample#: C7C280000-110 MCAWW 160.2	03/28/07	7087110
		Dilution Factor: 1	Analysis Time..: 00:00		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C7C230332 Work Order #...: JRF741AD-MS Matrix.....: WATER
 MS Lot-Sample #: C7C210267-001 JRF741AE-MSD
 Date Sampled...: 03/20/07 Date Received...: 03/21/07 MS Run #.....: 7088119
 Prep Date.....: 03/29/07 Analysis Date...: 03/29/07
 Prep Batch #...: 7088072 Analysis Time...: 14:57
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1,1-Trichloroethane	112	(52 - 162)			CFR136A 624
	105	(52 - 162)	6.4	(0-40)	CFR136A 624
Vinyl chloride	109	(1.0- 251)			CFR136A 624
	102	(1.0- 251)	6.3	(0-50)	CFR136A 624
1,2-Dichlorobenzene	104	(18 - 190)			CFR136A 624
	104	(18 - 190)	0.14	(0-40)	CFR136A 624
Benzene	106	(37 - 151)			CFR136A 624
	100	(37 - 151)	6.2	(0-40)	CFR136A 624
Bromodichloromethane	119	(35 - 155)			CFR136A 624
	109	(35 - 155)	8.7	(0-40)	CFR136A 624
Bromoform	114	(45 - 169)			CFR136A 624
	107	(45 - 169)	7.1	(0-43)	CFR136A 624
Bromomethane	122	(1.0- 242)			CFR136A 624
	102	(1.0- 242)	18	(0-40)	CFR136A 624
Carbon tetrachloride	109	(70 - 140)			CFR136A 624
	105	(70 - 140)	4.2	(0-40)	CFR136A 624
Chloroethane	107	(14 - 230)			CFR136A 624
	97	(14 - 230)	10	(0-40)	CFR136A 624
Chloroform	110	(51 - 138)			CFR136A 624
	102	(51 - 138)	7.5	(0-40)	CFR136A 624
Chloromethane	108	(1.0- 273)			CFR136A 624
	98	(1.0- 273)	9.4	(0-40)	CFR136A 624
1,1-Dichloroethene	110	(1.0- 234)			CFR136A 624
	104	(1.0- 234)	5.5	(0-40)	CFR136A 624
1,1-Dichloroethane	104	(59 - 155)			CFR136A 624
	98	(59 - 155)	6.6	(0-40)	CFR136A 624
trans-1,2-Dichloroethene	113	(69 - 138)			CFR136A 624
	104	(69 - 138)	8.3	(0-40)	CFR136A 624
1,2-Dichloroethene (total)	110	(69 - 138)			CFR136A 624
	102	(69 - 138)	7.1	(0-40)	CFR136A 624
1,2-Dichloroethane	106	(49 - 155)			CFR136A 624
	98	(49 - 155)	7.8	(0-40)	CFR136A 624
Methylene chloride	110	(1.0- 221)			CFR136A 624
	101	(1.0- 221)	8.8	(0-40)	CFR136A 624
1,2-Dichloropropane	112	(1.0- 210)			CFR136A 624
	103	(1.0- 210)	8.0	(0-40)	CFR136A 624
Tetrachloroethene	105	(64 - 148)			CFR136A 624
	99	(64 - 148)	6.0	(0-40)	CFR136A 624

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C7C230332 Work Order #...: JRF741AD-MS Matrix.....: WATER
 MS Lot-Sample #: C7C210267-001 JRF741AE-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Toluene	105	(47 - 150)			CFR136A 624
	101	(47 - 150)	4.1	(0-40)	CFR136A 624
cis-1,3-Dichloropropene	111	(1.0- 227)			CFR136A 624
	110	(1.0- 227)	0.54	(0-40)	CFR136A 624
Trichloroethene	106	(71 - 157)			CFR136A 624
	100	(71 - 157)	6.3	(0-40)	CFR136A 624
Dibromochloromethane	118	(53 - 149)			CFR136A 624
	112	(53 - 149)	5.1	(0-40)	CFR136A 624
1,1,2-Trichloroethane	115	(52 - 150)			CFR136A 624
	107	(52 - 150)	7.0	(0-40)	CFR136A 624
trans-1,3-Dichloropropene	120	(17 - 183)			CFR136A 624
	118	(17 - 183)	1.8	(0-40)	CFR136A 624
1,1,2,2-Tetrachloroethane	100	(46 - 157)			CFR136A 624
	105	(46 - 157)	4.8	(0-40)	CFR136A 624
Chlorobenzene	106	(37 - 160)			CFR136A 624
	102	(37 - 160)	4.1	(0-40)	CFR136A 624
Ethylbenzene	108	(37 - 162)			CFR136A 624
	104	(37 - 162)	3.8	(0-40)	CFR136A 624
Xylenes (total)	111	(37 - 162)			CFR136A 624
	104	(37 - 162)	6.4	(0-40)	CFR136A 624
Carbon disulfide	109	(35 - 150)			CFR136A 624
	103	(35 - 150)	5.8	(0-40)	CFR136A 624
Styrene	116	(70 - 130)			CFR136A 624
	107	(70 - 130)	8.9	(0-30)	CFR136A 624
Trichlorofluoromethane	111	(17 - 181)			CFR136A 624
	102	(17 - 181)	7.6	(0-40)	CFR136A 624
1,3-Dichlorobenzene	100	(59 - 156)			CFR136A 624
	100	(59 - 156)	0.10	(0-40)	CFR136A 624
1,4-Dichlorobenzene	99	(18 - 190)			CFR136A 624
	98	(18 - 190)	1.1	(0-40)	CFR136A 624
Methyl tert-butyl ether (MTBE)	105	(50 - 150)			CFR136A 624
	100	(50 - 150)	5.6	(0-50)	CFR136A 624

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	82	(70 - 118)
	86	(70 - 118)
1,2-Dichloroethane-d4	100	(64 - 135)
	92	(64 - 135)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C7C230332 Work Order #...: JRF741AD-MS Matrix.....: WATER
MS Lot-Sample #: C7C210267-001 JRF741AE-MSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Toluene-d8	94	(71 - 118)
	92	(71 - 118)
Dibromofluoromethane	104	(64 - 128)
	95	(64 - 128)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C7C230332

Matrix.....: WATER

Date Sampled...: 03/23/07

Date Received...: 03/23/07

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
MS Lot-Sample #: C7C230368-005 Prep Batch #...: 7085049							
Cadmium	99	(70 - 130)			MCAWW 200.7	03/26-03/27/07	JRNL21AT
	99	(70 - 130)	0.74	(0-20)	MCAWW 200.7	03/26-03/27/07	JRNL21AU
			Dilution Factor: 1				
			Analysis Time...: 15:38				
			MS Run #.....: 7085032				
Chromium	101	(70 - 130)			MCAWW 200.7	03/26-03/27/07	JRNL21AW
	100	(70 - 130)	0.83	(0-20)	MCAWW 200.7	03/26-03/27/07	JRNL21AX
			Dilution Factor: 1				
			Analysis Time...: 15:38				
			MS Run #.....: 7085032				
Lead	102	(70 - 130)			MCAWW 200.7	03/26-03/27/07	JRNL21A1
	100	(70 - 130)	1.6	(0-20)	MCAWW 200.7	03/26-03/27/07	JRNL21A2
			Dilution Factor: 1				
			Analysis Time...: 15:38				
			MS Run #.....: 7085032				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: C7C230332

Work Order #...: JRND2-SMP
JRND2-DUP

Matrix.....: WATER

Date Sampled...: 03/22/07

Date Received...: 03/23/07

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u> <u>RESULT</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u> <u>LIMIT</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
pH	7.1	7.1	No Units	0.14	(0-2.0)	MCAWW 150.1	03/24/07	7083071
			Dilution Factor: 1		Analysis Time...: 13:21	MS Run Number...: 7083035		
SD Lot-Sample #: C7C230332-001								

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: C7C230332

Work Order #...: JRL6H-SMP
JRL6H-DUP

Matrix.....: WATER

Date Sampled...: 03/22/07

Date Received...: 03/23/07

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u> <u>RESULT</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u> <u>LIMIT</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Total Suspended Solids	ND	ND	mg/L	200	(0-20)	MCAWW 160.2	03/28/07	7087110
Dilution Factor: 1						Analysis Time..: 00:00	MS Run Number...: 7087054	
SD Lot-Sample #: C7C230196-001								

ATTACHMENT C
LABORATORY ANALYSIS REPORT
MW-32 QUARTERLY MONITORING – MARCH 2007

STL Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238

Tel: 412 963 7058 Fax: 412 963 2468
www.stl-inc.com

ANALYTICAL REPORT

PROJECT NO. VIACOM

Viacom Buffalo Airport

Lot #: C7C300257

Leo Brausch

Leo Brausch Consulting

SEVERN TRENT LABORATORIES, INC.



Carrie L. Gamber
Project Manager

April 10, 2007



STL



NELAC REPORTING:

The format and content of the attached report meets NELAC standards and guidelines except as noted in the narrative. The table below presents a summary of the certifications held by STL Pittsburgh. Our primary accreditation authority for the Non-potable water and Solid & Hazardous waste programs is Pennsylvania DEP. A more detailed parameter list is available upon request. Please ask your project manager for this information when required.

Certifying State/Program	Certificate #	Program Types	STL Pittsburgh
NFESC	NA	NAVY	X
USACE	NA	Corps of Engineers	X
US Dept of Agriculture	(#S-46425)	Foreign Soil Import Permit	X
Arkansas	(#03-022-1)	WW	X
		HW	X
California – nelac	04224CA	WW	X
		HW	X
Connecticut	(#PH-0688)	WW	X
		HW	X
Florida – nelac	(#E87660)	WW	X
		HW	X
Illinois – nelac	(#200005)	WW	X
		HW	X
Kansas – nelac	(#E-10350)	WW	X
		HW	X
Louisiana – nelac	(#93200)	WW	X
		HW	X
New Hampshire – nelac	(#203002)	WW	X
		--	--
New Jersey – nelac	(PA-005)	WW	X
		HW	X
New York – nelac	(#11182)	WW	X
		HW	X
North Carolina	(#434)	WW	X
		HW	X
Ohio Vap	(#CL0063)	WW	X
		HW	X
Pennsylvania - nelac	(#02-00416)	WW	X
		HW	X
South Carolina	(#89014001)	WW	X
		HW	X
Utah – nelac	(STLP)	WW	X
		HW	X
West Virginia	(#142)	WW	X
		HW	X
Wisconsin	998027800	WW	X
		HW	X

The codes utilized for program types are described below:

- HW Hazardous Waste certification
- WW Non-potable Water and/or Wastewater certification
- X Laboratory has some form of certification under the specific program. Many states certify laboratories for specific parameters or tests within a category. The information in the table indicates the lab is certified in a general category of testing. Please contact the laboratory if parameter specific certification information is required.

Updated: 04/27/06

CASE NARRATIVE

Leo Brausch Consulting
Viacom
Buffalo Airport

STL Lot # C7C300257

Sample Receiving:

STL Pittsburgh received one sample on March 30, 2007. The cooler was received within the proper temperature range.

If project specific QC was not required for samples contained in this report, when batch QC was completed on these samples, anomalous results will be discussed below.

GC/MS Volatiles:

Due to the concentration of target compounds detected, sample GW-18036-032907-KL-01 was analyzed undiluted and at a 2X dilution. Both sets of results are reported.

Metals:

The relative percent difference between GW-18036-032907-KL-01 and it's duplicate is outside QC limits for lead.

METHODS SUMMARY

C7C300257

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
CLP - Volatile Organic Compounds (OLM04.2) Inductively Coupled Plasma	OCLP OLM04.2 ICLP ILM04.0/4.	OCLP OLM04.2 ICLP ILM04.0

References:

- ICLP USEPA Contract Laboratory Program Statement of Work for Inorganics Analysis, Multi-Media, Multi-Concentration.
- OCLP USEPA Contract Laboratory Program Statement of Work for Organics Analysis, Multi-Media, Multi-Concentration.

SAMPLE SUMMARY

C7C300257

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
JR37J	001	GW-18036-032907-KL-01	03/27/07	11:00

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

CHAIN OF CUSTODY RECORD

 CONESTOGA-ROVERS & ASSOCIATES Depew, NY		SHIPPED TO (Laboratory Name): STL Pittsburgh, PA		REFERENCE NUMBER: 18036-531 Buffalo Airport Quarterly GW Sampling	
SAMPLER'S SIGNATURE: <i>[Signature]</i> PRINTED NAME: Kexin Lynch		No. of Containers: 4		REMARKS:	
SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	REMARKS
	3/27/07	1100	GW-18036-032907-KL-01	Water	SS PL metals SS PL VOCs
TOTAL NUMBER OF CONTAINERS: 4					
RELINQUISHED BY: <i>[Signature]</i>		DATE: 3/27/07 TIME: 1600*		RECEIVED BY:	
RELINQUISHED BY:		DATE: _____ TIME: _____		RECEIVED BY:	
RELINQUISHED BY:		DATE: _____ TIME: _____		RECEIVED BY:	
HEALTH/CHEMICAL HAZARDS					
METHOD OF SHIPMENT:					
White Yellow Pink Goldenrod		SAMPLE TEAM: K. Lynch S. Zimmerman		RECEIVED FOR LABORATORY BY: <i>[Signature]</i> DATE: 3/30/07 TIME: 855	
WAY BILL No.					
No CRA 01238					

* Cooler Sealed

Leo Brausch Consulting

Client Sample ID: GW-18036-032907-KL-01

GC/MS Volatiles

Lot-Sample #...: C7C300257-001 **Work Order #...**: JR37J1AA **Matrix.....**: WATER
Date Sampled...: 03/27/07 **Date Received...**: 03/30/07 **MS Run #.....**: 7099010
Prep Date.....: 04/07/07 **Analysis Date...**: 04/07/07
Prep Batch #...: 7099026 **Analysis Time...**: 21:08
Dilution Factor: 2

Method.....: OCLP OLM04.2

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Toluene	ND	20	ug/L	2.0
cis-1,2-Dichloroethene	380	20	ug/L	2.0
1,1,1-Trichloroethane	ND	20	ug/L	2.0
Trichloroethene	22	20	ug/L	2.0
Vinyl chloride	36	20	ug/L	2.0

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Toluene-d8	99	(88 - 110)
Bromofluorobenzene	92	(86 - 115)
1,2-Dichloroethane-d4	112	(76 - 114)

Leo Brausch Consulting

Client Sample ID: GW-18036-032907-KL-01

GC/MS Volatiles

Lot-Sample #...: C7C300257-001 Work Order #...: JR37J2AA Matrix.....: WATER
 Date Sampled...: 03/27/07 Date Received...: 03/30/07 MS Run #.....: 7099010
 Prep Date.....: 04/07/07 Analysis Date...: 04/07/07
 Prep Batch #...: 7099026 Analysis Time...: 20:14
 Dilution Factor: 1
 Method.....: OCLP OLM04.2

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Toluene	ND	10	ug/L	1.0
cis-1,2-Dichloroethene	340 E	10	ug/L	1.0
1,1,1-Trichloroethane	ND	10	ug/L	1.0
Trichloroethene	22	10	ug/L	1.0
Vinyl chloride	34	10	ug/L	1.0
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS		
Toluene-d8	99	(88 - 110)		
Bromofluorobenzene	92	(86 - 115)		
1,2-Dichloroethane-d4	98	(76 - 114)		

NOTE(S) :

E Estimated result. Result concentration exceeds the calibration range.

Leo Brausch Consulting

Client Sample ID: GW-18036-032907-KL-01

TOTAL Metals

Lot-Sample #...: C7C300257-001

Matrix.....: WATER

Date Sampled...: 03/27/07

Date Received...: 03/30/07

PARAMETER	RESULT	REPORTING			PREPARATION-	WORK
		LIMIT	UNITS	METHOD	ANALYSIS DATE	ORDER #
Prep Batch #...: 7094024						
Cadmium	ND	5	ug/L	ICLP ILM04.0/4.1	04/04-04/09/07	JR37J1AC
		Dilution Factor: 1		Analysis Time..: 08:24	MS Run #.....: 7094012	
		MDL.....: 0.19				
Lead	2.4 B	3	ug/L	ICLP ILM04.0/4.1	04/04-04/09/07	JR37J1AD
		Dilution Factor: 1		Analysis Time..: 08:24	MS Run #.....: 7094012	
		MDL.....: 1.4				

NOTE(S) :

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C7C300257
 MB Lot-Sample #: C7D090000-026

Work Order #...: JTJ721AA

Matrix.....: WATER

Analysis Date...: 04/07/07
 Dilution Factor: 1

Prep Date.....: 04/07/07
 Prep Batch #...: 7099026

Analysis Time...: 19:40

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
cis-1,2-Dichloroethene	ND	10	ug/L	OCLP OLM04.2
Toluene	ND	10	ug/L	OCLP OLM04.2
1,1,1-Trichloroethane	ND	10	ug/L	OCLP OLM04.2
Trichloroethene	ND	10	ug/L	OCLP OLM04.2
Vinyl chloride	ND	10	ug/L	OCLP OLM04.2

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Toluene-d8	100	(88 - 110)
Bromofluorobenzene	92	(86 - 115)
1,2-Dichloroethane-d4	108	(76 - 114)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C7C300257

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
MB Lot-Sample #: C7D040000-024 Prep Batch #... : 7094024						
Cadmium	ND	5.0	ug/L	ICLP ILM04.0/4.1	04/04-04/09/07	JR99X1AA
		Dilution Factor: 1				
		Analysis Time...: 08:13				
Lead	ND	3.0	ug/L	ICLP ILM04.0/4.1	04/04-04/09/07	JR99X1AC
		Dilution Factor: 1				
		Analysis Time...: 08:13				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C7C300257 Work Order #...: JTJ721AC Matrix.....: WATER
 LCS Lot-Sample#: C7D090000-026
 Prep Date.....: 04/07/07 Analysis Date...: 04/07/07
 Prep Batch #...: 7099026 Analysis Time...: 22:17
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Trichloroethene	110	(71 - 120)	OCLP OLM04.2
Toluene	110	(76 - 125)	OCLP OLM04.2
1,1-Dichloroethene	99	(61 - 145)	OCLP OLM04.2
Benzene	112	(76 - 127)	OCLP OLM04.2
Chlorobenzene	111	(75 - 130)	OCLP OLM04.2

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Toluene-d8	98	(88 - 110)
Bromofluorobenzene	90	(86 - 115)
1,2-Dichloroethane-d4	112	(76 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C7C300257

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
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LCS Lot-Sample#: C7D040000-024 Prep Batch #...: 7094024

Cadmium	106	(80 - 120)	ICLP ILM04.0/4.1	04/04-04/09/07	JR99X1AD
		Dilution Factor: 1		Analysis Time..: 08:18	
Lead	105	(80 - 120)	ICLP ILM04.0/4.1	04/04-04/09/07	JR99X1AE
		Dilution Factor: 1		Analysis Time..: 08:18	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: C7C300257 Work Order #....: JR37J1AJ-MS Matrix.....: WATER
 MS Lot-Sample #: C7C300257-001 JR37J1AK-MSD
 Date Sampled...: 03/27/07 Date Received...: 03/30/07 MS Run #.....: 7099010
 Prep Date.....: 04/07/07 Analysis Date...: 04/07/07
 Prep Batch #...: 7099026 Analysis Time...: 21:54
 Dilution Factor: 2

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Trichloroethene	96	(71 - 120)			OCLP OLM04.2
	98	(71 - 120)	2.2	(0-14)	OCLP OLM04.2
Toluene	100	(76 - 125)			OCLP OLM04.2
	105	(76 - 125)	4.4	(0-13)	OCLP OLM04.2
1,1-Dichloroethene	86	(61 - 145)			OCLP OLM04.2
	85	(61 - 145)	0.49	(0-14)	OCLP OLM04.2
Benzene	101	(76 - 127)			OCLP OLM04.2
	102	(76 - 127)	1.9	(0-11)	OCLP OLM04.2
Chlorobenzene	103	(75 - 130)			OCLP OLM04.2
	106	(75 - 130)	3.3	(0-13)	OCLP OLM04.2

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Toluene-d8	101	(88 - 110)
	96	(88 - 110)
Bromofluorobenzene	95	(86 - 115)
	90	(86 - 115)
1,2-Dichloroethane-d4	110	(76 - 114)
	101	(76 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C7C300257

Matrix.....: WATER

Date Sampled...: 03/27/07

Date Received...: 03/30/07

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
MS Lot-Sample #: C7C300257-001 Prep Batch #...: 7094024					
Cadmium	101	(75 - 125)	ICLP ILM04.0/4.1	04/04-04/09/07	JR37J1AE
		Dilution Factor: 1		Analysis Time..: 08:24	
		MS Run #.....: 7094012			
Lead	104	(75 - 125)	ICLP ILM04.0/4.1	04/04-04/09/07	JR37J1AF
		Dilution Factor: 1		Analysis Time..: 08:24	
		MS Run #.....: 7094012			

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

Metals

Client Lot #...: C7C300257

Work Order #...: JR37J-SMP
JR37J-DUP

Matrix.....: WATER

Date Sampled...: 03/27/07

Date Received...: 03/30/07

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u> <u>RESULT</u>	<u>UNITS</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>LIMIT</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Cadmium	ND	ND	ug/L	0	(0-20)	ICLP ILM04.0/4.1	04/04-04/09/07	7094024
			Dilution Factor: 1			Analysis Time...: 08:24	MS Run Number...: 7094012	
						SD Lot-Sample #: C7C300257-001		
Lead	2.4 B	ND	ug/L	200	(0-20)	ICLP ILM04.0/4.1	04/04-04/09/07	7094024
			Dilution Factor: 1			Analysis Time...: 08:24	MS Run Number...: 7094012	
						SD Lot-Sample #: C7C300257-001		

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.